## **IMPORTANT NOTES:**

- 1. If you are **not planning to pursue any particular pathways**, it is always good to plan carefully and to ensure you have taken the pre-requisite courses.
- 2. You should also look further ahead to the course requirements of the Final Year Project (FYP).
- 3. Courses used to fulfill for pathway/specialisation cannot be S/U graded.
- 4. If you are **considering a General Pathway**, do consult the relevant Pathway Coordinators about course combinations and seek their advice on the sequence to take courses.

## **Media Art Pathway Coordinators:**

- Animation: Assoc. Prof Benjamin Seide, Email: <u>bseide@ntu.edu.sq</u>
- Filmmaking: Assoc. Prof Christoph Hahnheiser, Email: c.hahnheiser@ntu.edu.sq
- Game: Assoc. Prof Gray Hodgkinson, Email: <a href="mailto:ghodgkinson@ntu.edu.sg">ghodgkinson@ntu.edu.sg</a>
- Photography: Lecturer Mr Ang Song Nian: Email: <u>SNAng@ntu.edu.sg</u>

------ YEAR 1 -----

	Course Code and Title	Course Type	AUs	Remarks
er 1	DN1002 Foundation 2D	Core	3	
meste	DN1003 Foundation 3D	Core	3	
	DN1004 Foundation 4D	Core	3	
Se	DN1001 Foundation Drawing	Core	3	
Year 1	DD1003 Introduction to Histories of Art I	Core	3	
	DD0000 Writing Narratives for Creative Media / HW0105 Academic Communication in the Arts, Humanities and Social Sciences	GER Core	2/3	Choose One
		TOTAL	17 / 18	

	Course Title	Course Type	AUs	Remarks		
	DN1016 Visual Story Telling	Core	3			
	DN1013 Concepts of Digital Imaging	Core	3			
	a) DN1014 Drawing for Animation (ANIM and GAME Pathway)			Choose One		
	b) DN1015 Practical Digital Filmmaking (FILM Pathway)	Compulsory Major PE	3	(Students who are <u>not</u> pursuing a specific pathway may choose any		
	c) DN1012 Black and White Film Photography (PHOTO Pathway)			one of the following courses)		
	*DD1004 Introduction to Histories of Art II (Pre-req: DD1003)	Core	3			

2	DD0000 Writing Narratives for Creative Media / HW0209 Academic Communication in the Art, Design and Media Studies	GER Core	2 /3	Choose One (cannot take HW0209 if taken HW0105)
_	Course Title	Course Type	AUs	Remarks
ste	GC0001 Introduction to Sustainability	GER Core	1	
Semester	Choose one from Range on offer in university, except from ADM	3	May choose to fulfill another category	
Yeant S		TOTAL	18/19	

<sup>\*</sup>Course with pre-requisite

## ------ YEAR 2 ------

		AUs			Pathway				
Year 2   Semester 1	Course Type		Animation (Character Stream/Visual Effects Stream) **	Filmmaking	Game	Photography	General		
	Compulsory Major Studio PE 1	3	DT2001 3D Production	DF2000 Digital Film Production I	DT2018 Animation For Games I	DP2001 Digital Photography	- Choose any		
	Compulsory Major Studio PE 2	-	DT2000 Basic Principles of Motion (CA)	DF2005 Writing for Film	DT2020 Game	*DP2006 Principles of Lighting (Pre-req: DN1013 or DP2001 or DP5000)	two  (*Refer to  Important Notes at the top of this document)		
			DT2009 Storyboarding & Production Design (VFX)	DF2011 Sound for Film	Design I				
>	Compulsory Area Specific History Major PE	3	DT2007 History of Animation	DF2009 History of World Cinema	DT2007 History of Animation	DP2002 History of Photography	Choose One		
	GER CORE (SS) / UE	3	DD0002 The Conter Elective (Choose on			try of Singapore /	Unrestricted		
	GER CORE	3	HD0102 Making Sei	nse of Big Data					
	GERPE (BM)	3		Choose one from Range on offer in university, except from ADM (May choose to fulfill another category)					
	TOTAL	18							

<sup>\*</sup>Course with pre-requisite

## Notes:

1. Students in **FILM Pathway** are to take <u>3 Compulsory Major PE</u> courses in this semester and take 1 Compulsory Major PE in Year 3, Semester 2.

- **2.** \*\*Animation offers students the opportunity to further specialise in Character Animation (CA) or Visual Effects (VFX).
- 3. Students in GAME Pathway are to complete one of the following highly advised elective of the pre-requisite courses for DT3008: DT2000 Basic Principles of Motion / DT2001 3D Production / DT2009 Storyboarding & Production Design

			Pathway				
Year 2   Semester 2	Course Type	AUs	Animation (Character Stream/Visual Effects Stream)**	Filmmaking	Game	Photography	General
	Compulsory Major Studio PE 3	3	DT2009 Storyboarding & Production Design (CA) DF2003 Cinematography I (VFX)	DF2003 Cinematography I	*DT2019 Animation for Games II (Pre-req: DT2018)	*DP2005 Photography : Color and Context (Pre-req: DP2001 or DP5000)	Choose any two
	Compulsory Major Studio PE 4	3	*DT2016 3D Character Animation (CA) (Pre-req: DT2000 & DT2001) DT2010 Digital Compositing (VFX)	DF2001 Film Editing	*DT3014 Game Design II (Pre-req: DT2020)	*DP2011 Photography : Light and Location (Pre-req: DP2006)	Important Notes at the top of this document)
	Compulsory Art History 3 Major PE (Choose <u>ONE</u> of the following)	3	DD2000 Introduction to the Histories of Southeast Asian Art DD2009 Survey of New Media DD2008 Survey of Modern Art 1900 -1945 DD3010 Issues in Global Contemporary Art *DD3022 Art in the Age of Colonialism (Pre-req: DDD1004) DD2012 (DD8008) Faith in Art DD2013 (DD8010) Visualization of Cultural Heritage *DD2014 (DD8012) Contemporary Curating (Pre-req: DD1003 or D1004) *DD2015 (DD9014) Introduction to Museum Studies (Pre-req: DD1003)				
	GER CORE (SS) / UE	3	DD0002 The Conter Elective (Choose on	•		of Singapore /	Unrestricted
	GER CORE	3	HD0101 Digital Soci	iety			
	GER CORE	1	HY0001 Ethics and	Moral Reasoning			
	UE	3	Choose one from R	ange on offer in uni	iversity		
	TOTAL *Courses	19					

<sup>\*</sup>Course with pre-requisite

### **Notes:**

- 1. \*\*Animation offers students the opportunity to further specialise in Character Animation (CA) or Visual Effects (VFX).
- Students in GAME Pathway are to complete one of the following highly advised elective of the pre-requisite courses for DT3008: DT2000 Basic Principles of Motion / DT2001 3D Production / DT2009 Storyboarding & Production Design

------ YEAR 3 ------

	Course Type		Pathway					
r3   Semester 1		AUs	Animation (Character Stream/Visual Effects Stream)**	Filmmaking	Game	Photography	General	
	Compulsory Major Studio PE 5	3	DT2011 Stop Motion (CA)  *DT3010 Visual Effects I (VFX) (Pre-req: DT2001 / DT2010 / DF2000 / DF2003)	*DF3012 Film Directing (Pre-req:DF2000 & DF2005)	DM2008 Programming for Interaction	*DP3000 Photographic Media and Presentation (Pre-req: DP2001 or DP5000)	Choose any two (*Refer to Important	
Year3	Compulsory Major Studio PE 6	3	*DT3013 Animation Seminar (Pre-req: DT2001)	*DF3013 Producing for Film and Media (Pre-req:DF2000)	*#DT3017 Game Seminar (Pre-req: DT2018 / DT3014)	*DP3010 Moving Image for Media Artists (Pre-req: DP2001 or DP5000)	Notes at the top of this document)	
	Major Studio PE	3	Refer to Page 7 - 8					
	GER CORE	1	ML0003					
	GERPE (Any Category)	3	Choose one from Ra	ange on offer in u	iniversity, except	from ADM		
	UE	3	Choose one from Ra	ange on offer in u	iniversity			
	UE	3	Choose one from Ra	ange on offer in u	iniversity			
	TOTAL	19						

<sup>\*</sup>Course with pre-requisite

#### Notes

- 1. \*\*Animation offers students the opportunity to further specialise in Character Animation (CA) or Visual Effects (VFX).
- Students in GAME Pathway are to complete one of the following highly advised elective of the pre-requisite courses for DT3008: DT2000 Basic Principles of Motion / DT2001 3D Production / DT2009 Storyboarding & Production Design

			Pathway						
	Course Type	AUs	Animation (Character Stream/Visual Effects Stream)**	Filmmaking	Game	Photography	General		
. 5	Compulsory Major Studio PE 7	3	*DT3008 Research and Visual Development (Pre-req: DT2000/DT2001/ DT2009)	*#DF3004 Digital Film Production II (Pre-req: DF2001 & DF2003 & DF2011)	*DT3008 Research and Visual Development (Pre-req: DT2000/DT2001/ DT2009)	*DP3011 Documentary Practices (Pre-req: DP2001 or DP5000)	Choose any two (*Refer to		
Semester	Compulsory Major Studio PE 8	3	*DT3012 Acting for Animation (CA) (Pre-req: DT2016) *DT3011 Visual Effects II (VFX) (Pre-req: DT3010/DF3013)		*DT3016 Game Jam (Pre-req: DT2018 / DT3014)	*DP4001 Extended Photography (Pre-req: DP2001 & DP2005)	Important Notes at the top of this document)		
Year 3	Major Studio PE	3	Refer to Page 7 - 8						
Ϋ́	GER CORE	1	ET0001 Enterprise a	nd Innovation					
	UE	3	Choose one from Ra	nge on offer in ເ	ıniversity				
	GERPE (Any Category)	3	Choose one from Ra	Choose one from Range on offer in university, except from ADM					
	TOTAL	16							

<sup>\*</sup>Course with pre-requisite

### Notes:

1. \*\*Animation offers students the opportunity to further specialise in Character Animation (CA) or Visual Effects (VFX).

>	Course Code and Title	Course Type	AUs	Remarks
I May - July	*DD3021 Professional Attachment (Pre-req: Must have achieved at least 72 AUs and Year 3 standing)	Core	5	10 weeks
Year 3		TOTAL	5	

<sup>\*</sup>Course with pre-requisite

------YEAR 4 ------

1	Course Code and Title	Course Type	AUs	Remarks
	*DD4003 Final Year Project - Media Art # (Pre-req: DT3008 / DF3004 / DP3011 / DP4001 / Upon Approval)	Core	4.5	
Semester	*DD4005 Interdisciplinary Seminar (Media Art) (Pre-req: Study Year 4)	Core	3	
4	Choose one from Range on offer in university	UE	3	
Year	Choose one from Range on offer in university	UE	3	
		TOTAL	13.5	

<sup>\*</sup>Course with pre-requisite #AU total for FYP is 9 that is given upon successful completion of the project

. 2	Course Code and Title	Course Type	AUs	Remarks
Semester	*DD4003 Final Year Project - Media Art # (Pre-req: DT3008 / DF3004 / DP3011 / DP4001 / Upon Approval)	Core	4.5	
_	Choose one from Range on offer in university	UE	3	
Year 4		TOTAL	7.5	

<sup>\*</sup>Course with pre-requisite #AU total for FYP is 9 that is given upon successful completion of the project

## I. Selection of Other Major Prescribed Elective (MPE) Courses offered by ADM

These following elective courses may be selected by **both DA and MA major** students who meet the prerequisites, **unless stated otherwise**.

## Other Major Prescribed Elective Courses (6 AUs)

All courses listed here are also offered as Unrestricted Electives (UE), except for those indicated with (#).

#### **ANIMATION and GAME**

DT2005 Lighting and Rendering Pipeline

\*DT2015 Advanced 3D Production (Pre-req: DT2001)

DT2017 Writing for Animation \*Recommended for GAME Pathway

DT2021 Game Assets Design \*Recommended for GAME Pathway \*NEW

\*#DT3000 Advanced Drawn Animation (Pre-req: DT2000)

\*DT3004 Rigging for Animation (Pre-req: DT2011)

DT3009 Cinematic Concepts and Motion Capture Applications \*Recommended for GAME Pathway

DT3015 Stop Motion Seminar (Advanced Stop Motion) – Applicable as Major PE for MA majors only

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#### **FILMMAKING**

DF2004 (DF8001) Sound in Media – Applicable as Major PE for MA majors only

DF2007 (DF9001) The Art of Lighting \*Recommended for GAME Pathway

\*DF2012 Advanced Screenwriting (Pre-req: DF2005) – Applicable as Major PE for MA majors only

DF2013 Film Music in Theory and Practice

- \*#DF3000 Research Perspective in Film Practice (Pre-reg: DF2003)
- \*#DF3001 Cinematography for Visual Effects (Pre-req: DF2003)
- \*DF3005 Audio Post-Production for Film (*Pre-req: DF2011*) Applicable as Major PE for MA majors only DF3010 Experimental Film Production
- \*DF3011 Advanced Directing for Film (*Pre-req: DF3012*) Applicable as Major PE for MA majors only DF3014 Creative Producing for Film and Media

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### **INTERACTION**

DM2002 Sound Art

DM2009 Performance and Interaction

DM2010 Scenography and Exhibition Design

DM2011 Issues in Interactive Media Practice

DM3008 Generative Art

\*DM3009 Programming for Audiovisual Performance (Pre-req: DM2008)

DR2011 Human Factors for Design

DV2008 Interface Design

DV3003 Spatial Design

\_\_\_\_\_\_

## **PHOTOGRAPHY**

DP2008 Experimental Photography

DP2012 (DP5001) Art and Ecology Workshop \*Revised course code

\*DP3001 Transformative Identities in Fashion Media (Pre-reg: DP2005 or DP2006)

DP3003 Socially Engaged Photography (Narrative Portrait)

\*DP3008 Location Experiences in Photography (Pre-reg: DN1012 or DP2000 or DP2001)

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### **PRODUCT DESIGN**

DR2002 Issues in Product Design Practice

DR2011 Human Factors for Design

DR2014 Wearable Technology, Fashion and Design

\*DR3002 Computer Aided Design II (Pre-req: DR2005)

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## **VISUAL COMMUNICATION**

**DV2002 Illustration for Designers** 

DV2003 (DV8001) Beyond the logo: Introduction to branding

**DV2006 Designed Experiences** 

\*#DV2007 Issues in Visual Communication Practice (Pre-req: DV2004 and DV3010) – Applicable as Major PE for

### DA majors only

DV2008 Interface Design

\*#DV2012 Digital Visual Communication (Pre-req: DV2004 and DV2005)

\*#DV3002 Editorial Design (Pre-req: DV2004 and DV2005)

DV3003 Spatial Design

\*DV3005 Creative Brand Design (Pre-req: DV2004 and DV3010)

#### **INTERDISCIPLINARY**

DD3012 Research Methods in Art and Design

DD2013 Visualization of Cultural Heritage

\*Note: Please take note that these advance-level courses have pre-requisites. You need to ensure that you meet the pre-requisite in order to register for the advance-level course.

When registering for courses offered as Major Prescribed Electives (Major PE) / Unrestricted Elective (UE), it is advisable that you register the course as UE. This will allow you to reserve the Major PE AUs for registration of courses offered only as Major PE.

## II. Selection of Unrestricted Elective (UE) Courses offered by ADM

## **Unrestricted Elective Courses (24 AUs)**

Unless stated otherwise, you may choose any ADM courses from the list below or courses offered by other schools.

## **Course Code and Title**

#### **INTERDISCIPLINARY**

DA2004 (DA9009) Exhibition Design

DA5000 (DA2000) Applied Drawing

DA5001 (DA2001) Painting

DA5002 (DA2003) Watermedia Landscape Painting

DA5003 Kinetic Anatomy: Dynamic Figure Drawing for Artists and Designers

DA5004 Design, Art, and Animation for Media Architecture (Media Art Nexus)

DA5005 Compositional Study – Shapes, Space and Color Interaction

DA5006 Handbuilding with Clay: Form and Surface

**DA5007 Drawing For Animation** 

DA5008 Incubating Ideas: Image Making and Storytelling

DA5009 Explorations in A.I. Generated Art

DA5010 Figure Sculpture in Clay

DD2013 Visualization of Cultural Heritage

DD3012 Research Methods in Art and Design

DD3027 Maritime Silk Roads: Heritage and Media

DD5008 Independent Study

DD5009 Design Thinking

### **ANIMATION and GAME**

DT2000 Basic Principles of Motion – Applicable as UE for DA majors only

DT2001 3D Production – Applicable as UE for DA majors only

DT2005 Lighting and Rendering Pipeline

DT2007 History and Culture of Animation, VFX and Game

DT2009 Storyboarding & Production Design – Applicable as UE for DA majors only

DT2010 Digital Compositing – Applicable as UE for DA majors only

DT2011 Stop Motion Principles (Stop Motion) – Applicable as UE for DA majors only

\*DT2015 Advanced 3D Production (Pre-reg: DT2001)

DT2017 Writing for Animation

DT2018 Animation for Games I – Applicable as UE for DA majors only

\*DT2019 Animation for Games II (Pre-req: DT2018) - Applicable as UE for DA majors only

DT2020 Game Design I – Applicable as UE for DA majors only

DT2021 Game Assets Design \*NEW

\*DT3004 Rigging For Animation (Pre-reg: DT2011)

DT3009 Cinematic Concepts and Motion Capture Applications

\*DT3014 Games Design II (Pre-reg: DT2020) - Applicable as UE for DA majors only

DT3015 Stop Motion Seminar (Advanced Stop Motion)

\*DT3016 Game Jam (Pre-reg: DT2018 or DT3014) — Applicable as UE for DA majors only

\*DT3017 Game Seminar (Pre-reg: DT2018 or DT3014) – Applicable as UE for DA majors only

DT5000 (DT2003) Digital Sculpting

DT5001 (DT2004) Graphic Storytelling

DT5002 (DT2006) Issues in Animation Practice

DT5003 (DT2012) Digital Painting

DT5004 (DT2013) Fundamentals Of Immersive 360° and VR Experiences

#### **FILMMAKING**

DF2000 Digital Film Production I – Applicable as UE for DA majors only

DF2001 Film Editing – Applicable as UE for DA majors only

DF2002 (DF8000) Survey of Experimental Filmmaking

DF2003 Cinematography I – Applicable as UE for DA majors only

DF2004 (DF8001) Sound in Media

DF2005 Writing For Film – Applicable as UE for DA majors only

DF2006 Ethnographic Film

DF2007 (DF9001) The Art of Lighting \*Recommended for GAME Pathway

DF2009 History of World Cinema

DF2011 Sound For Film - Applicable as UE for DA majors only

\*DF2012 Advanced Screenwriting (Pre-req: DF2005)

DF2013 Film Music in Theory and Practice

\*DF3005 Audio Post-Production for Film (Pre-reg: DF2011)

**DF3010 Experimental Film Production** 

\*DF3011 Advanced Directing for Film (Pre-req: DF3012)

\*DF3012 Film Directing (Pre-req: DF2000 and DF2005) – Applicable as UE for DA majors only

\*DF3013 Producing for Film and Media (Pre-req: DF2000 and DF2005) – Applicable as UE for DA majors only

DF3014 Creative Producing for Film and Media

DF5000 (DF2008) Issues in Film Practice

DF5001 (DF3002) Documentary Filmmaking

\*DF5002 (DF3006) Cinematography II (Pre-reg: DF2003)

### **INTERACTION**

DM2000 Interactive I – Applicable as UE for MA majors only

DM2002 Sound Art

DM2006 Narratives for Interaction – Applicable as UE for MA majors only

\*DM2007 Interactive II (Pre-reg: DM2000) – Applicable as UE for MA majors only

DM2009 Performance and Interaction

DM2010 Scenography and Exhibition Design

DM2011 Issues in Interactive Media Practice

DM3008 Generative Art

\*DM3009 Programming for Audio Visual Performance (Pre-reg: DM2008)

\*DM3015 Interactive Environments (*Pre-reg: DM3013*) – Applicable as UE for MA majors only

DM5000 (DM3002) Creative Robotics

DM5001 (DM8001) Web Design

## **PHOTOGRAPHY**

DP2001 Digital Photography – Applicable as UE for DA majors only

DP2002 History of Photography

DP2004 Critical Eye: Seeing and Understanding in Photo Media

DP2005 Photography: Colour and Context (Pre-req: DP2001 or DP5000) – Applicable as UE for DA majors only

DP2006 Principles of Lighting (Pre-reg: DN1013 / DP2001 / DP5000) - Applicable as UE for DA majors only

**DP2008 Experimental Photography** 

DP2011 Photography: Light and Location (Pre-reg: DP2006) - Applicable as UE for DA majors only

DP2012 (DP5001) Art and Ecology Workshop \*Revised course code

DP3000 Photographic Media and Presentation (Pre-req: DP2001 or DP5000) – Applicable as UE for DA majors

## <u>only</u>

\*DP3001 Transformative Identities in Fashion Media (Pre-reg: DP2005 or DP2006)

DP3003 Socially Engaged Photography (Narrative Portraits)

\*DP3008 Location Experiences in Photography (Pre-req: DP2001 or DP5000)

\*DP3010 Moving Image for Media Artists (Pre-req: DP2001 or DP5000) – Applicable as UE for DA majors only

\*DP3011 Documentary Practices (Pre-reg: DP2001 or DP5000) – Applicable as UE for DA majors only

\*DP4001 Extended Photography (Pre-req: DP2001 and DP2005) – Applicable as UE for DA majors only

DP5000 (DP2000) Photo Imaging I: Black and White Film Photography

#### **PRODUCT DESIGN**

DR2000 Conceptual Design – Applicable as UE for MA majors only

DR2001 Product Design I – Applicable as UE for MA majors only

DR2005 Computer Aided Design I – Applicable as UE for MA majors only

DR2002 Contemporary Issues in Product Design

DR2008 User Experience In Design

DR2011 Human Factors for Design

DR2012 Materials and Manufacturing for Designers

DR2013 Furniture Design I

DR2014 Wearable Technology, Fashion and Design

\*DR3002 Computer Aided Design II (Pre-req: DR2005)

DR5000 (DR2007) Surface Design

DR5001 (DR2009) Products in an Asian Cultural Context

DR5003 (DR9001) Introduction to Design

DR5004 Design and Systems Thinking

#### **VISUAL COMMUNICATION**

DV2000 Typography I – Applicable as UE for MA majors only

DV2001 Visual Communication I – Applicable as UE for MA majors only

**DV2002 Illustration for Designers** 

DV2003 (DV8001) Beyond the logo: Introduction to branding

**DV2006 Designed Experiences** 

\*DV2007 Issues in Visual Communication Practice (Pre-req: DV2004 & DV3010) – Applicable as UE for DA

#### majors only

DV2008 Interface Design

DV3003 Spatial Design

\*DV3005 Creative Brand Design (Pre-req: DV2004 & DV3010)

DV5001 (DV2009) Design in Motion

DV5002 (DV2010) Packaging Design

DV5003 (DV2011) Pattern, Art, Design and Architecture

DV5004 (DV9001) Art, Design and Science

DV5005 (DV9002) Graphic Communication

\*Note: Please take note that these advance-level courses have pre-requisites. You need to ensure that you meet the pre-requisite to register for the advance-level course. You need to refer to the online class schedule to determine the course eligibility for the semester.

Please refer to the following links for more information (via Sharepoint) on NTU-OAS webpage:

Course Contents with Assessment, Reading Materials and Weekly Schedule, etc

**Student Handbook and Guides for Course Registration** 

NTU Information and Guides, STARS and other Course Registration Matters